

TABLE I. DEVICE PARAMETERS 1/

| JPL PART # ST12244- | MFG. | GENERIC PART # | PACKAGE STYLE 2/ | DETAIL SCREENING SPECIFICATION | ELECTRICAL CHARACTERISTICS & GROUP A TESTS | RADIATION (TID) LEVEL RAD(Si) |
|--|--------------------------|--|--|--|---|----------------------------------|
| QRF150PR QRF250PR QRF254PR QRF450PR | HAR HAR HAR HAR | 2N7291 (FRK150) 2N7293 (FRK250) 2N7295 (FRK254) 2N7297 (FRM450) | T0204AE T0204AE T0204AA T0204AA | MIL-S-19500/606 MIL-S-19500/606 MIL-S-19500/606 MIL-S-19500/606 | TABLE I OF THE DETAIL SCREENING SPECIFICATION | 100k 3/ |

NOTES:

1/ This drawing, in conjunction with CS515581, imposes all requirements for procurement of these devices.

2/ Device physical dimensions shall conform to Figure 1 of the detail screening specification.

3/ Steady state total dose irradiation tests shall be conducted per Table IV of the detail screening specification.

4. This standard takes precedence over documents referenced herein.

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|--|---------------|---|---------------------|--|--|---------------------------------|
| RELEASED THRU SECTION 356 DATA MANAGEMENT: | | | DATE: | | | |
| REVISION: A | | | APPROVED BY: | | | |
| DATE: | | | DATE: | | | |
| APPROVED SOURCE(S) | | | | | THE ITEM LISTED IN THE APPROVED SOURCE BLOCK AND IDENTIFIED BY VENDOR NAME, ADDRESS, AND PART NUMBER WILL BE EVALUATED AND TESTED BY THE JPL ELECTRONIC PARTS RELIABILITY SECTION OR ITS DELEGATED ALTERNATE BEFORE BEING APPROVED FOR USE. NON-JPL USERS SHALL CHECK WITH THE ELECTRONIC PARTS RELIABILITY SECTION ON THE STATUS OF THE PART'S APPROVAL BEFORE USING. | |
| VENDOR PART NO | VENDOR | | JPL PART NO | | | |
| | | | | | | |
| JET PROPULSION LABORATORY CALIFORNIA INSTITUTE OF TECHNOLOGY | | | | | | CAGE NO 23835 |
| Procurement specification: CS515581 Screening specification: ZPP-2073-GEN | | TITLE: TRANSISTOR, POWER MOSFET, N CHANNEL, RAD HARD | | | | DETAIL SPECIFICATION |
| | | | | | | ST 12244 |
| Custodian: Electronic Parts Reliability Section 514 | | | | | | SHEET 1 OF 1 |

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